

Title (en)
PNEUMATIC POLYMER EDUCTOR CONVEYOR DRYER

Publication
EP 0079596 B1 19880217 (EN)

Application
EP 82110467 A 19821112

Priority
US 32082081 A 19811112

Abstract (en)
[origin: ES8400692A1] A water-wet polymer is extruded through a die plate. Free water formed by extruding action at the die plate is atomized and/or evaporated into an air stream. The die plate assembly discharges the rubber/moisture into a closely adjacent cone/funnel-receiver openly surrounding the die plate, and connecting to and discharging into a lesser diameter conveying tube. The die plate and surrounding funnel are enclosed by a chamber so that air, input tangentially into the enclosure, provides a swirling vortex air flow at the die plate assisting in severing and stripping rubber particles from the die plate.

IPC 1-7
B29B 15/02

IPC 8 full level
C08F 6/00 (2006.01); **B04C 5/04** (2006.01); **B29B 9/06** (2006.01); **B29B 13/06** (2006.01); **B29B 15/02** (2006.01); **B29K 9/06** (2006.01)

CPC (source: EP US)
B29B 9/06 (2013.01 - EP US); **B29B 13/065** (2013.01 - EP US)

Cited by
EP0279807A3; KR100737220B1; GB2343138A; GB2343138B; WO9912713A1; US6428297B1; US6610755B2; US6946090B2; US7140865B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0079596 A1 19830525; EP 0079596 B1 19880217; AT E32504 T1 19880315; CA 1192043 A 19850820; DE 3278115 D1 19880324; ES 517289 A0 19831201; ES 8400692 A1 19831201; IN 157981 B 19860809; JP S58125711 A 19830726; JP S6341722 B2 19880818; MX 160861 A 19900605; US 4455761 A 19840626

DOCDB simple family (application)
EP 82110467 A 19821112; AT 82110467 T 19821112; CA 415403 A 19821112; DE 3278115 T 19821112; ES 517289 A 19821111; IN 1294CA1982 A 19821104; JP 19584782 A 19821108; MX 19507882 A 19821105; US 32082081 A 19811112